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Substitute fo	Substitute for form 1449/PTO			Сот	olete if Known	
_	_			Application Number	10/719,058	
		PLEMENTAL		Filing Date	November 24, 2003	
		DISCLOSURE		First Named Inventor	Gregory L. Rawlins	
STAT		BY APPLICANT		Art Unit	2193	
	(Use as man	iy sheets as necessary)		Examiner Name	David H. Malzahn	
Sheet	1	of 1		Attorney Docket Number	1744.1380000	
		Non P.	ATENT	LITERATURE DOCUMENT	'S	
Examiner Initials*	Cite No. ¹	the item (book, magaz	zine, jou		e article (when appropriate), title of etc.), date, page(s), volume issue nere published	T ²
	NPL1			Japanese Patent Publication m, 1 page (Feb. 24, 1983 - Da	No. JP 58-031622, data te of publication of application).	
	NPL2	, , ,		Japanese Patent Publication m, 1 page (Nov. 1, 1986 - Date	No. JP 61-245749, data e of publication of application).	
	NPL3	English-language Abstract of Japanese Patent Publication No. JP 64-048557, data supplied by ep.espacenet.com, 1 page (Feb. 23, 1989 - Date of publication of application).				
	NPL4	English-language Abstract of Japanese Patent Publication No. JP 59-022438, data supplied by ep.espacenet.com, 1 page (Feb. 4, 1984 - Date of publication of application).				
	NPL5	English-language Abstract of Japanese Patent Publication No. JP 59-123318, data supplied by ep.espacenet.com, 1 page (July 17, 1984 - Date of publication of application).				
	NPL6	English-language Abstract of Japanese Patent Publication No. JP 61-193521, data supplied by ep.espacenet.com, 1 page (Aug. 28, 1986 - Date of publication of application).				
	NPL7	English-language Abstract of Japanese Patent Publication No. JP 62-047214, data supplied by ep.espacenet.com, 1 page (Feb. 28, 1987 - Date of publication of application).				
	NPL8	English-language Abstract of Japanese Patent Publication No. JP 63-274214, data supplied by ep.espacenet.com, 1 page (Nov. 11, 1988 - Date of publication of application).				
	NPL9					
	NPL10					

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Examiner	Date	
Signature	 Considered	

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Substitute	Substitute for form 1449/PTO			Complete if Known		
SEVENTH SUPPLEMENTAL				Application Number	10/719,058	
				Filing Date	November 24, 2003	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Gregory L. Rawlins	
STATE				Art Unit	2193	
(Use as many sheets as necessary)		Examiner Name	David H. Malzahn			
Sheet	1	of	2	Attorney Docket Number	1744.1380000	

			U.S. PATENT DO	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
mittais	NO.	Number-Kind Code ^{2 (If Known)}	WWI-DD-1111	Applicant of Cited Document	or Relevant Figures Appear
	US1	5,884,154	03-16-1999	Sano et al.	
	US2	5,900,746	05-04-1999	Sheahan	
	US3	6,246,695 B1	06-12-2001	Seazholtz et al.	
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		Fo	REIGN PATENT DO	DCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			Relevant Passages or Relevant Figures Appear	T ⁶
	FP1	JP 58-031622	02-24-1983	Usui et al.		
	FP2	JP 61-245749	11-01-1986	Ito		
	FP3	JP 64-048557	02-23-1989	Booru et al.		
	FP4	JP 59-022438	02-04-1984	Shimizu		
	FP5	JP 59-123318	07-17-1984	Kune		
	FP6	JP 61-193521	08-28-1986	Takahashi		
	FP6	JP 62-047214	02-28-1987	Satou et al.		
	FP8	JP 63-274214	11-11-1988	Miyake		
	FP9					

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Examiner	Date	
Signature	Considered	

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Sheet	2	of	2	Attorney Docket Number	1744.1380000	

	· 		U.S. PATENT DO	DCUMENTS		
	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
minas	110.	Number-Kind Code ^{2 (If Known)}		Applicant of Cited Document	or Relevant Figures Appear	
	US21	5,006,854	04-09-1991	White et al.		
	US22	3,643,168	02-15-1972	Manicki		
	US23	4,048,598	09-13-1977	Knight		
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	US36					
	US37					
	US38					
	US39					
	US40					

		Fo	REIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			Relevant Passages or Relevant Figures Appear	T ⁶
	FP10					
	FP11					
	FP12					
	FP13					
	FP14					
	FP15					
	FP16					
	FP17					
	FP18					

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